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Appln. No: 09/809,018	Atty: Robin L. Teskin/af
First Inventor: Robl et al.	Date: January 15, 2003
	Matter No: 0279159
	Client No: 015837

ENCLOSED:

☒ Response/Amendment ☐ Appendix ☒ Cover Sheet ☐ Cited/Listed Documents

☐ Completion Request for R 53(f)/PCT Nat.

No. of Pages Abstract

No. of Pages Spec and Claims

No. of Numbered Claims Only

No. of Sheets of Drawings (Figs



☐ 1 Set Formal ☐ 1 Set Informal ☐ Cover Letter

☐ Declaration ☐ # of pages

☐ Assignment ☐ Cover Sheet

☐ Small Entity Declaration

☐ Extension Petition (PAT-111)

☐ No. of Priority Documents

☐ IDS Letter ☐ Cited Appln(s) ☐ Foreign Sch Rep/OA

☐ PTO-1449 ☐ Cited Documents

☐ Issue Fee Transmittal Form PTOL-85(b) in duplicate

\$ 205 Amount Requested be Charged to our Dep. Acct. No. 03-3975

OTHER:

Petition for Extension of Time (2mo)

Current DUE DATE:

January 15, 2003

(Submit Single Copy Only)



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

James Robl et al.,

Group Art Unit: 1632

Application No. 09/809,018

Examiner: Thaian N. Ton

Filed: March 16, 2001

OK to enter
TNT
4/10/03Title: EMBRYONIC OR STEM-LIKE CELL LINES PRODUCED BY
CROSS-SPECIES NUCLEAR TRANSPLANTATION

* * * * *

AMENDMENT AND REPLYHon. Commissioner of Patents
Washington, D.C. 20231

Sir:

In response to the Office Action mailed on August 15, 2002, please consider the following amendment and remarks.

IN THE CLAIMS

Please cancel claims 1-35 and add new claims 36-52 shown below:

36. A method of producing embryo-derived proliferating cells having human nuclear DNA and bovine-derived mitochondria, comprising the following steps:

- (i) enucleating a bovine oocyte;
- (ii) inserting a human cell or cell nucleus into the bovine oocyte under conditions suitable for the formation of a nuclear transfer unit;

- (iii) activating the resultant nuclear transfer unit;
- (iv) culturing the activated nuclear transfer unit to obtain a nuclear transfer unit having at least 16 cells; and

- (v) culturing cells comprising the inner portion of the nuclear transfer unit of step (iv) in vitro to obtain cells proliferating as a colony.

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